

Advisory Board Quarterly Meeting First Quarter FY09

Presented to

District Energy Advisory Board

November 20, 2008



Agenda

- 1. Call to Order
- 2. Election of Chair & Vice Chair
- 3. Review & Approval of Previous Meeting Minutes
- 4. Summary of Performance
- 5. Natural Gas Purchasing Up-Date
- 6. Financial Reports 1st Qtr FY09
- 7. Capital Projects Review
- 8. DES Capacity New Convention Center
- 9. Other Board Member Items
- 10. Adjourn



- 1. Call to Order
- 2. Election of Chair & Vice Chair
- 3. Review and Approval of Previous Meeting Minutes



4. Summary of Performance

Contractor (CNDE) is in compliance with their contractual obligations for FY09.

- Excellent Performance No Improvement Necessary
- Satisfactory Performance Some Improvement Could Be Made
- Poor Performance Much Improvement Necessary



Summary Table 4: Customer Cost Comparison for the Previous 12 Months

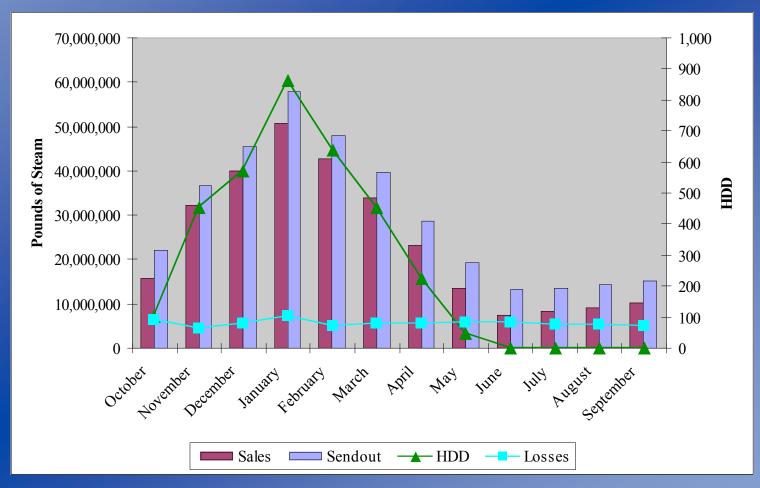
| | Steam (\$ millions) | | | Chilled Water (\$ millions) | | | |
|---------------|------------------------|----------------|---------|-----------------------------|----------------|---------|--|
| | 10/06 -9/07 | 10/07- 9/08 | % Diff. | 10/06- 9/07 | 10/07- 9/08 | % Diff. | |
| Private | \$2.587 | \$2.350 | -9.2% | \$3.877 | \$3.883 | <0.2% | |
| State | \$3.150 | \$2.898 | -8.0% | \$3.144 | \$3.224 | 2.5% | |
| Metro | \$3.330 | \$3.162 | -5.0% | \$4.531 | \$4.591 | 1.3% | |
| New Customers | \$1.558 | \$1.503 | -3.5% | \$3.068 | \$3.120 | 1.7% | |
| Aggregate | \$9.067 | \$8.410 | -7.2% | \$11.552 | \$11.698 | 1.3% | |

Includes MFA allocated to Metro Buildings (post-True-up)



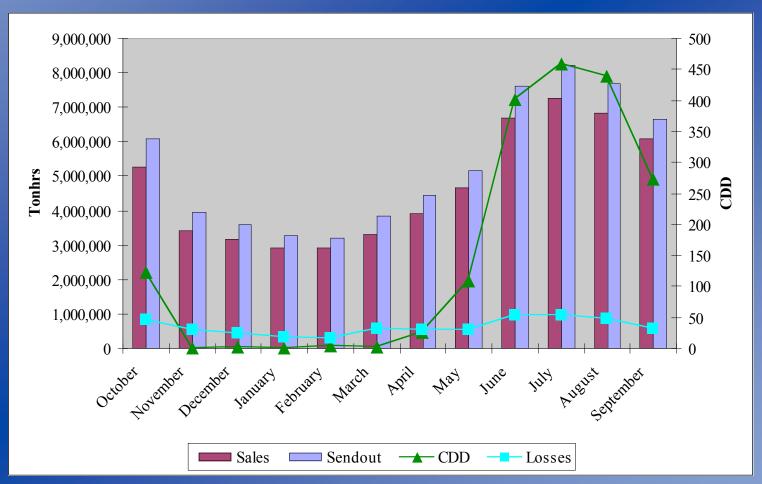
FY08 Operations: Steam





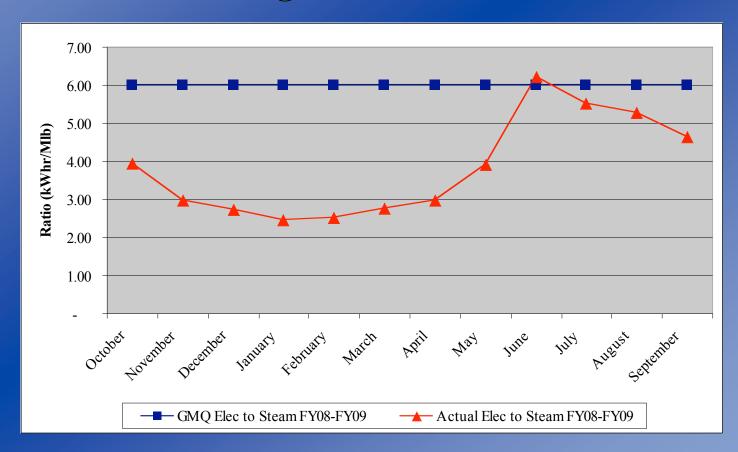


FY08 Operations: Chilled Water



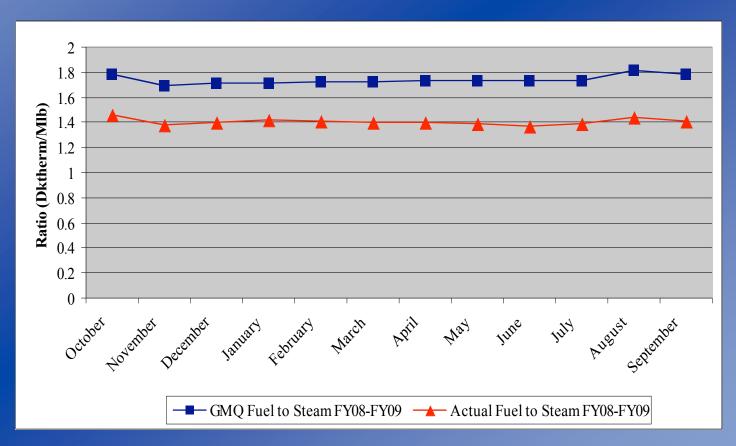


Performance Measurement FY08: Steam Electric Conversion



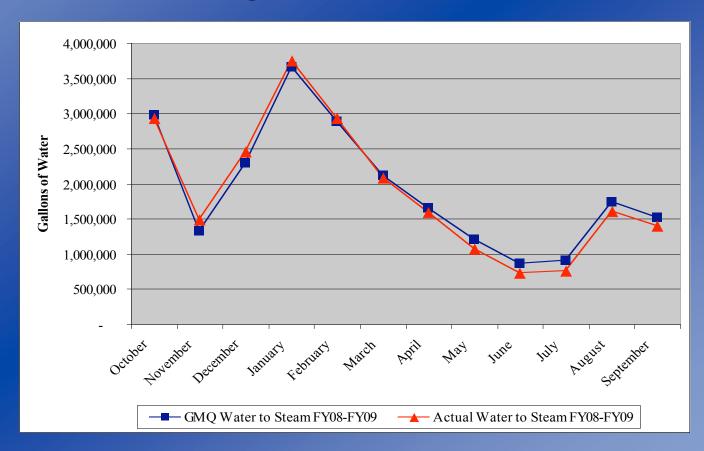


Performance Measurement FY08: Steam Plant Efficiency



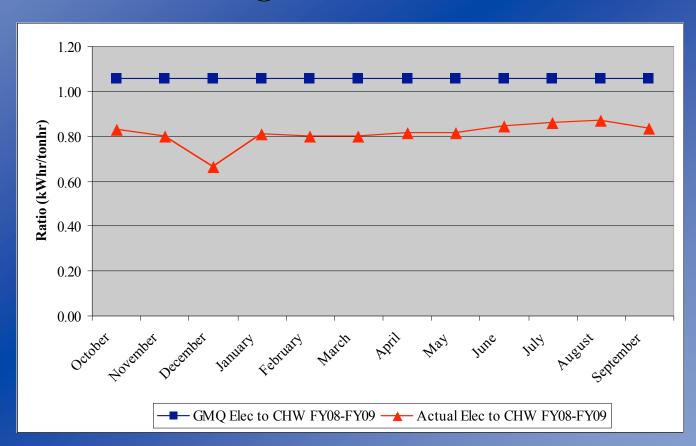


Performance Measurement FY08: Steam Water Conversion



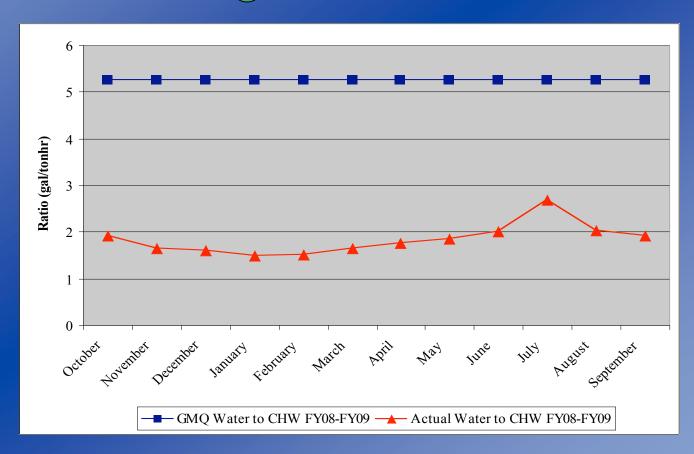


Performance Measurement FY08: Chilled Water Electric Conversion





Performance Measurement FY08: Chilled Water Water Conversion





Water Treatment

- Steam/Condensate
 - Corrosion

- Iron

- Hardness
- Chlorine/Sulfite
- Condensing Water
 - Conductivity
 - Biologicals
- Chilled Water
 - Hardness
- Corrosion
- Biologicals



EGF Walkthrough

Quarterly Inspection Process

- Equipment Maintenance
- Operations
- Electrical
- Housekeeping
- Building Structure
- Building Exterior and Grounds



EDS Walkthrough

Quarterly Inspection Process

- Manhole/Tunnel Housekeeping
- Maintenance Items
 - Insulation Repair/Replacement
 - Water Infiltration
 - Corrosion of Structural Metal Components
- Safety Items



5. Natural Gas Purchasing Update

Natural Gas Purchasing Review

Table 5: FY08 Gas Spending & Budget Comparison

Actual Gas Costs for FY08

Projected Gas Costs for FY09

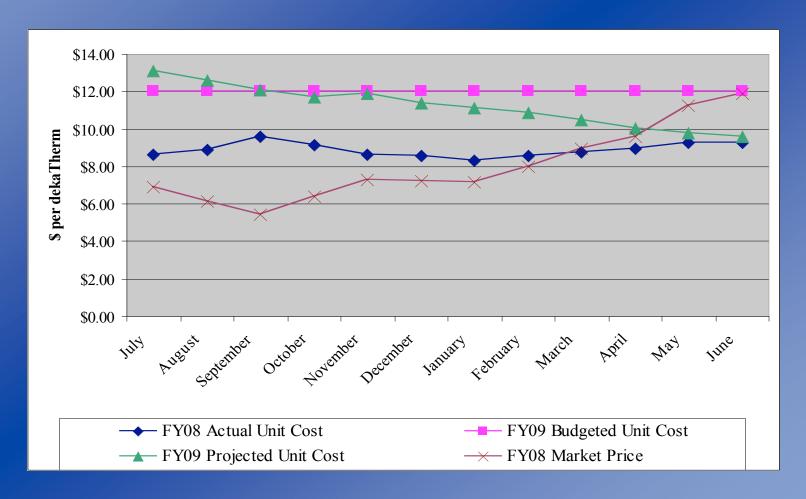


Table 5: FY09 Gas Spending & Budget Comparison

| | Actual FY09 To date (Sept 30) | Budget FY09 |
|----------------------------|----------------------------------|-------------|
| | | |
| Steam Sendout (Mlbs) | 43,003 | 44,217 |
| Fuel Use (Dth) | 60,587 | 64,159 |
| Plant Eff (Dth/Mlb) | 1.408 | 1.451 |
| Total Gas Cost | \$765,491 | \$771,833 |
| Unit Cost of Fuel (\$/Dth) | \$12.635 | \$12.030 |



Projected Gas Cost Comparison for FY09





6. Financial Reports: 1st Qtr FY09

| Item | FY09 | | 1st Qtr FY09 | | Percent of | Percent of |
|--------------------------------|------|------------|--------------|--------------|-------------|-------------|
| | | Budget | Expenses | | FY09 Budget | FY08 Actual |
| | | | | | | for 1st Qtr |
| | | | | | | |
| FOC: Basic | | 3,852,170 | \$ | 963,042.51 | 25.00% | 103.00% |
| FOC: 9th Chiller | \$ | 36,100 | \$ | 9,023.76 | 25.00% | 103.00% |
| FOC: Change Order 6A | \$ | 71,260 | \$ | 17,815.74 | 25.00% | 103.00% |
| FOC: Change Order 6B | \$ | 62,390 | \$ | 15,597.00 | 25.00% | 103.00% |
| Chemicals | \$ | 156,510 | \$ | 43,118.73 | 27.55% | 92.99% |
| Engineering | \$ | 40,000 | \$ | 5,678.87 | 14.20% | n.a. |
| Insurance | \$ | 42,440 | \$ | 29,721.89 | 70.03% | 99.57% |
| Marketing: CEPS Sales Activity | \$ | 27,000 | \$ | 2,005.57 | 7.43% | n.a. |
| Metro Marketing | \$ | 52,890 | \$ | - | 0.00% | n.a. |
| Incentive Payments | \$ | 30,150 | \$ | 3,704.40 | 12.29% | 51.03% |
| Project Administration | | 22,090 | \$ | - | 0.00% | n.a. |
| Metro Incremental Cost | \$ | 585,420 | \$ | 94,099.04 | 16.07% | 68.76% |
| FEA: Steam | \$ | - | \$ | 34,016.86 | n.a. | 147.59% |
| FEA: Chilled Water | | - | \$ | 112,987.27 | n.a. | 97.74% |
| ARFA | \$ | - | \$ | 13,986.69 | n.a. | 103.00% |
| Metro Credit | \$ | - | \$ | (149,216.72) | n.a. | 85.31% |
| Water/Sewer | \$ | 681,600 | \$ | 137,753.13 | 20.21% | 82.74% |
| Natural Gas/Propane | \$ | 6,570,400 | \$ | 765,490.08 | 11.65% | 125.10% |
| Electricity | \$ | 4,437,300 | \$ | 1,400,759.74 | 31.57% | 106.07% |
| EDS Repair & Improvement | | 171,430 | \$ | 3,757.05 | 2.19% | 12.28% |
| EDS Surcharge | \$ | 68,460 | \$ | - | 0.00% | n.a. |
| Sub-total Operations | \$ | 16,907,610 | \$ | 3,503,342 | 20.72% | 106.05% |
| 2002 Bonds | \$ | 4,361,770 | \$ | 1,090,373.43 | 25.00% | 99.94% |
| 2005 Bonds | | 631,590 | \$ | 172,074.13 | 27.24% | n.a. |
| FY07 Projects | | 227,800 | \$ | - | 0.00% | 0.00% |
| FY08 Projects | \$ | 220,500 | \$ | - | 0.00% | n.a. |
| Debt Service Interest Revenue | \$ | (72,300) | \$ | (46,161.38) | 63.85% | n.a. |
| Oper. Reserve Funding Deposit | \$ | 97,400 | \$ | 24,435.00 | 25.09% | 51.18% |
| Sub-total Debt Service | | 5,466,760 | \$ | 1,240,721 | 22.70% | 103.76% |
| | | | | | | |
| Total Expenses | \$ | 22,374,370 | \$ | 4,744,063 | 21.20% | 105.44% |
| | | | | | | |
| Customer Revenues | | 19,768,660 | \$ | 4,498,667 | 22.76% | 103.39% |
| | | | | | | |
| Total Metro Funding Amount | \$ | 2,605,710 | \$ | 245,396 | 9.42% | 75.97% |



7. Capital Projects Review

Financial Summary

Table 7: Capital Projects Summary

Active Project Status



Table 7: Capital Project Summary (09/30/08)

| | Spent to End of FY08 | FY09 Spending | Balance to Date (09/30/08) |
|--------------|----------------------|------------------|-----------------------------------|
| 2002A Bond | \$3,680,667 | \$0 | \$47,292 |
| R&I Projects | \$626,555 | \$1,878 | \$415,280 |
| 2005B Bond | \$7,655,347 | \$8,633 | \$522,521 |
| 2007 Bond | \$2,620,771 | \$0 | \$237,729 |
| 2008 Bond | \$87,758 | \$29,075 | \$2,631,667 |
| Total | \$14,671,098 | \$39,586 | \$3,854,489 |



Active Project Status

- DES 036: 4th Ave Tunnel Fan (R&I) in construction
- DES 041/054: Symphony CND in construction
- DES 042: 401 Union St. CND Replacement in closeout
- DES 045: MH 6 to MH 23 CND Replacement in close-out
- DES 046: Ryman CND in design
- DES 047: State Tunnel CND Replacement closed
- DES 049: Temp. Boiler Conn. @ MH 15 closed
- DES 050: MH Insulation in construction/ongoing
- DES 052: Wildhorse CND Tempering in close-out



Return on Investment

- Capital Project ROI
 - − Boiler O₂ Trim
 - Power Factor Correction Capacitor
 - Condensate Return
 - New Customers
- Funding



8. DES Capacity – New Convention Center

- TEG Hydraulic Analysis for EDS Chilled Water
- Expansion with New Convention Center
 - Peak Demands Decreasing Each Year: 2006, 2007, 2008
 - 11,500 gpm Additional Export Possible
 - Potential Servable Load at NCC Location ~7,200 tons
 - 7,200 tons Consumes Remaining EGF Capacity
- Potential Additional Customers at Other Locations



9. Other Board Member Items

10. Adjourn